

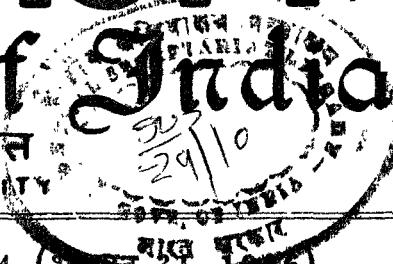


भारत का राजपत्र

The Gazette of India

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY



सं० ३८]

नई दिल्ली, शनिवार, सितम्बर २२, १९८४ (भाद्रा ३१, १९०६)

No. 38] NEW DELHI, SATURDAY, SEPTEMBER 22, 1984 (BHADRA 31, 1906)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके

[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड २

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE
PATENTS AND DESIGNS

Calcutta, the 22nd September 1984

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The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below :—

Patent Office Branch,
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Patent Office Branch,
Unit No. 401 to 405, III Floor,
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Telegraphic address "PATENTS".

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All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated,

CORRIGENDA

(1)

In the Gazette of India, Part III, Section 2, dated the 14th July, 1984, Page 525, Column 2, under the heading "Patents Sealed" in 2nd line for number 151826 read 151856.

(2)

In the Gazette of India, Part III, Section 2 dated the 12th March, 1984 at page 300, column 1 under the heading "Patent Agents" the entry against item Nos. (1), (2), (3), (4), (5), (6), (8) and (11) should be deleted.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

16th August 1984

568|Cal|84. The Babcock & Wilcox Company. Sootblowing system with identification of model parameters.

569|Cal|84. Toyo Engineering Corporation. Process for the synthesis of ammonia.

570|Cal|84. Pall Corporation. Apparatus for assembly and disassembly of a filter construction.

571|Cal|84. Allen I Bronstein. Solar Reflector.

17th August 1984

572|Cal|84. The Babcock & Wilcox Company. Optical Window Purge Arrangement.

573|Cal|84. The Tata Iron & Steel Co. Ltd. Roller Entry Guide for Rolling Equal and Unequal Angles.

574|Cal|84. The Tata Iron & Steel Co. Ltd. Roller Entry Guide for Rolling Channels.

575|Cal|84. Vsesojuzny Nauchno-Issledovatel'skiy I Proektny Institut Aluminivvoi, Magnitogorskogo Eletrodnogo Promyschlennosti I Iulidzhetnoi Sist.

18th August 1984

576|Cal|84. Gea Luftkuhlergesellschaft Happel GMBH & Co. Energy Displacement Apparatus for a Desulphurization Plant.

577|Cal|84. Projects & Development India Ltd. An improved process for obtaining stable granular npk fertilizer from incompatible raw materials. [Divisional date November 26, 1981].

20th August 1984

578|Cal|84. Edwin Thomas Codd. Space Frames. (August 23, 1983).

21st August 1984

579|Cal|84. Krauss-Maffei Aktiengesellschaft. Method and apparatus for pneumatically evacuating centrifuges.

580|Cal|84. Thomas A. Gilbertson. Pressurized Ice-Storing Chilled Water System.

581|Cal|84. Institut Khimii I Tekhnologii Redkikh Elementov I Mineral'nogo Syrya Kolskogo Filiala Akademii Nauk SSSR. A process for producing a leather tanning Agent. [Divisional date February 19, 1982].

582|Cal|84. Institut Khimii I Tekhnologii Redkikh Elementov I Mineral'nogo Syrya Kolskogo Filiala Akademii Nauk SSSR. A process for producing a leather tanning Agent. [Divisional date February 19, 1982].

583|Cal|84. Gte Valeron Corporation. Polycrystalline Abrasive Grit.

22nd August 1984

584|Cal|84. Greene & Kellogg, Inc. Single Bed Pressure Swing Adsorption Gas Separation System.

585|Cal|84. American Can Company. Collapsible Dispensing Tube with an orifice sealed with multi layer sealant sheet material.

586|Cal|84. Veb Kombinat Polygraph "Werner Lamberz" Leipzig. Sheet Cutting and Folding apparatus. (May 10, 1984).

587|Cal|84. Veb Kombinat Polygraph "Werner Lamberz" Leipzig. Wall Assembly. (May 24, 1984).

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, THIRD FLOOR, KAROL BAGH, NEW DELHI-110-005

23rd July 1984

588|Del|84. Golden Peacock, "Improvement in or relating to lamp holder".

589|Del|84. Mrs. Bhupinder Kaur, "Process of "CANNED READY-TO-SERVE VEGETABLE PRODUCT (LADY'S FINGER|OKRA|BHINDI)".

590|Del|84. Durga Dutt Joshi, "An electronic instrument for detection of total depth and water column from ground surface and measurement thereof".

591|Del|84. Kulker S.A., "A device for drop by drop irrigation".

592|Del|84. Voest Alpine Aktiengesellschaft, "A process and an arrangement for producing molten pig iron or steel pre-products".

593|Del|84. Steinert Elektromagnetbau GmbH., "Electromagnet".

594|Del|84. Otdelenie Vsesojuznogo Nauchno-Issledovatel'skogo Instituta Elektrotermicheskogo Obrudovaniya V Gorode Kharkove, "Device for vacuum drying of capacitors".

595|Del|84. Kollmorgen Technologies Corporation, "Method for depositing a metal on a surface".

596|Del|84. Ghanshyam Das Agrawal, "A flushing reservoir".

597|Del|84. Cement Research Institute of India, "A hydraulic cement and to a process for the manufacture thereof".

24th July 1984

598|Del|84. Kuldip Tent Industries, "Tents square steel tubes frame portable|foldable of various sizes".

599|Del|84. Westinghouse Brake And Signal Company Limited, "Proving safe operation". (Convention date July 29, 1983).

600|Del|84. Westinghouse Brake And Signal Company Limited, "Proving safe operations". (Convention date July 29, 1983).

601|Del|84. Westinghouse Brake And Signal Company Limited, "Proving safe operations". (Convention date July 29, 1984).

25th July 1984

602|Del|84. Harvey Marshall Reid, "Dual fuel control and supply system for internal combustion engines" (Convention date August 4, 1983).

603|Del|84. Bendix Limited, "Dual circuit fluid pressure control valve". (Convention date August 20, 1983).

604|Del|84. Bendix Limited, "Brake actuator linkages". (Convention date August 11, 1983).

605|Del|84. Continental Conveyor & Equipment Company, Inc., "High angle conveyor".

26th July 1984

606|Del|84. Silberline Limited, "Process for preparing pigment compositions". (Convention date July 29, 1983).

607|Del|84. Chesebrough-Pond's Inc., "Nail polish remover". (Convention date June 27, 1984).

27th July 1984

608|Del|84. Kenrich Petrochemicals, Inc., "A process for preparing a phosphate-titanate adduct" [Divisional date August 19, 1980].

609|Del|84. Kenrich Petrochemicals, Inc., "A process for preparing a phosphate-titanate adduct". [Divisional date August 19, 1980].

610|Del|84. Union Carbide Corporation, "Test method for acetylene cylinders".

611|Del|84. Manohar Sharma and Smt. Saroj Sharma, "A burner for gas stove or the like cooking and heating range with improved burner for achieving greater thermal efficiency and to economical fuel consumption".

28th July 1984

612|Del|84. Thumbooswamy Joseph David, "Breath measuring, counting breath aiding, pumping device for medical and physical use".

613|Del|84. Surya Kant Shah, "Process of making wooden board in 3 ply construction for use as mounting of letterpress printing blocks".

614|Del|84. Surya Kant Shah, "Process of making wooden flushdoors waterproof use in toilets and bathrooms".

30th July 1984

615|Del|84. Erik Bock, "Plastics Container".

616|Del|84. Morgan Construction Company, "Method and apparatus for bending a rolling mill laying pipe".

617|Del|84. Georges Moulli, "Filter fitted with a deblinding device".

618|Del|84. Morgan Construction Company, "Method and apparatus for cooling and handling hot rolled steel rod in direct sequence with a high speed rolling mill".

31st July 1984

619|Del|84. Creusot-Loire, "Hybrid rail and road vehicle".

620|Del|84. Emhart Industries, Inc., "Take out mechanism for a glassware forming machine". (Convention date August 26, 1983).

621|Del|84. Colgate Palmolive Company, "Sodium higher fatty alkyl sulfate detergent laundry bars and process for manufacture thereof".

1st August 1984

622|Del|84. Council of Scientific and Industrial Research, "Improvements in or relating to corrosion monitor using electrical resistance proses".

623|Del|84. Machat Chandran, "Device".

2nd August 1984

624|Del|84. BP Chemicals Limited, "Chromium halocarboxylate catalysts for ester synthesis". (Convention date August 12, 1983).

3rd August 1984

625|Del|84. Imperial Chemical Industries PLC, "Curable compositions". (Convention date August 19, 1983).

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH, BOMBAY AT TODI ESTATE, LOWER PAREL WEST, BOMBAY-13

1st June 1984

160|Bom|84. Pressure Cookers & Appliances Ltd. Pressure Responsive safety valves for pressure cookers for Domestic use

161|Bom|84. Maremont Corporation. Stamped Steel Replenishing valve for Shock Absorbers.

162|Bom|84. Maremont Corporation. Fiber Reinforced Plastic Inner Cylinder Head for Shock Absorbers.

163|Bom|84. Maremont Corporation. Method and Apparatus for pressurising Hydropneumatic Shock Absorbers.

164|Bom|84. Maremont Corporation. Gas charging fixture for Hydropneumatic Shock Absorbers.

2nd June 1984

165|Bom|84. Mohan Mahadeo Gupte. A system of brushing domestic water filter candles in position.

166|Bom|84. Johnson & Johnson Limited. A method for the manufacture of a non-reusable pressure responsive printed self adhesive label capable of irreparably breaking in a predetermined pattern on being peeled off from a struck surface and such a label obtained thereby.

7th June 1984

167|Bom|84. Ramesh Survase. Plug Adaptor.

11th June 1984

168|Bom|84. Ishvarbhai Chaturdas Patel & Hirabhai Chaturdas Patel. An apparatus for measuring I.P.G.

169|Bom|84. N. D. Ganeshwade. A portable Bridge.

170|Bom|84. Arun Kumar Gathoria. Universal Spray-Jet.

171|Bom|84. Arun Kumar Gathoria. Autocyclic Fuel Spray-Gun.

172|Bom|84. Bhalchandra Ramchandra Bedekar. An oven for Baking Chapatis, Khakaras Pappad, Thepla, Tortilla and the like.

13th June 1984

173|Bom|84. Dilip Ranganath Deshpande, and Pradip Shambaram Chonkar. Device for delivering pre-determined quantity of Beverage of preselected flavour, or such other fluids.

174|Bom|84. Hindustan Lever Ltd. A process for preparing Acyloxyethyl Derivatives capable of being used as perfumery components from hydrocarbon by product.

14th June 1984

175|Bom|84. Prabhudas Jamnadas Vora & Nagindas Jamnadas Vora. Improvements in or relating to oil Coolers.

16th June 1984

176|Bom|84. Prabhudas Jamnadas Vora & Nagindas Jamnadas Vora. Improvement in or relating to process for manufacturing sheets with pressed surfaces.

18th June 1984

177|Bom|84. Sunand Gopal Sahasrabudhe. Bimetallic Pin type Terminal End.

178|Bom|84. Shah Kirit Manilal & K. M. P. Nambiar. Container and Closer.

179|Bom|84. Subhanjan Mohanty. Coal Fired Sintering Furnace.

180|Bom|84. Milind Manohar Rao. A vacuum cleaner.

20th June 1984

181|Bom|84. Nalini G. Thaker. Kargard.

182|Bom|84. Nalini G. Thaker. Foldy Fud pak.

183|Bom|84. Nalini G. Thaker. Dummy Cigrett.

184|Bom|84. Nalini G. Thaker. Clipser.

26th June 1984

185|Bom|84. Godrej & Boyce Manufacturing Co. Pvt. Ltd. Improvements in or relating to drawer slide for a filing cabinet.

29th June 1984

186|Bom|84. Ratnakar Vineyak Sharangpani. A hydraulically operated spanner like device.

187|Bom|84. Sudhakar Narayanrao Phuse. Educational Aids, in Mathematics for proving of Pythagoras Theorum with the help of Model.

30th June 1984

188|Bom|84. Eruchsha Nariman Contractor. Improvement in the efficiency of Foot Valves and other non-return valves.

189|Bom|84. Dilip Prahaladbhai Mukhi. Two-coloured semi Round Cane.

190|Bom|84. Dayalbhai Bhikhahbhai Patel. Manufacturing Foam Rubber Plant.

3rd July 1984

191|Bom|84. Nirmal Pannalal. Helical Rotary-Pump.

5th July 1984

192|Bom|84. Maheshwar Dattatreya Kale. Improvements in or relating to snap dome switches in Keyboards.

193|Bom|84. Gopal Moreshwar Paranjpe. An improved mechanism including Electric electronic circuitry for indicating the performance of the braking system in vehicles.

194|Bom|84. Abhijit Raghunath Patwardhan. A mechanism for coupling and Braking.

9th July 1984

195|Bom|84. Shivaprasad H. Thaker. Keechector.

196|Bom|84. Manharlal Lavji Matalia. Lever Type, Three dial Combination lock.

197|Bom|84. Manharlal Lavji Matalia. Hook type, Three dial Combination Lock.

11th July 1984

198|Bom|84. Homi Rustom Vakil. Improvements in or relating to a sealant gun.

199|Bom|84. Ballarpur Industries Limited. A process for bringing down the mercury content of liquid effluents from a Caustic Soda Plant working on mercury cells.

13th July 1984

200|Bom|84. Tata Hydro Electric Power Supply Co. Ltd. Auto Reclose Relay Device for miniature circuit breakers.

16th July 1984

201|Bom|84. Frederic Rupert Titus. Lever propelled Bicycles & Vehicles.

20th July 1984

202|Bom|84. Hindustan Lever Limited. Nickel boride-polymer in-oil catalyst.

23rd July 1984

203|Bom|84. Wimco Limited. A semi automatic filling apparatus.

204|Bom|84. Bhagwandas Purushottam Asar. Bracket for pelmet for venetian blinds-curtains.

24th July 1984

205|Bom|84. Zinser Textilmaschinen G.m.b.H. Spinners.

25th July 1984

206|Bom|84. Priyal Khanderao Kulkarni & Vijay Priyal Kulkarni. Improvements in or relating to an autoclave for sterilizing baby milk feeding bottle.

207|Bom|84. Jyotiben Natwarlal Patel. Popular cradle.

208|Bom|84. Kokilaben S. Patel & Others. Manufacturing domestic flour mill.

209|Bom|84. Kamlesh Vineet Sood. Manufacturing vkvri-blok drill pipe protector.

27th July 1984

210|Bom|84. Hansraj Tidabhai Kashipara. An invention for vortex flowmeter for measurement and control of flow of fluids.

211|Bom|84. Hindustan Ciba-Giegy Ltd. Benzazole derivatives, processes for their preparation and pharmaceutical preparations containing such compounds.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

30th July 1984

554|Mas|84. C. S. Sainathan. A disposable hypodermic syringe.

555|Mas|84. L. G. L. Vaidyanathan. Modified Melamine formaldehyde as binder for cementitious material.

556|Mas|84. S. Veeramani. Mat grass splitting machine.

557|Mas|84. Quantum Diagnostics, Ltd. Optional image processor.

558|Mas|84. The Dow Chemical Company. Method for removing and/or retarding paraffin buildup on surfaces in contact with the crude oil or natural gas containing such paraffin.

31st July 1984

559|Mas|84. Kabushiki Kaisha Showa Seisakusho. Rear wheel shock absorber for motorcycles.

1st August 1984

560|Mas|84. P. Pillaiyar. White translucent crystal rice and a process for preparing the same.

561|Mas|84. Oriental Appliances (P) Limited. A detachable handle for a utensil.

562|Mas|84. Oriental Appliances (P) Limited. A detachable handle for a utensil.

563|Mas|84. Lenza Limited. Process for descaling tubular pieces.

2nd August, 1984

564|Mas|84. T. M. Panchaksharaiah. Solid state silicon semiconductor rectifier for motor-cycles.

565|Mas|84. Davidson & Company Limited. Inductance sensor. (August 3, 1983).

3rd August, 1984

566|Mas|84. Indian Institute of Science. A platinum catalyzed carbon electrode for efficient reduction of oxygen in alkaline fuel/air fuel cells.

567|Mas|84. The BOC Group plc. Refrigeration method and apparatus. (August 4, 1983).

4th August, 1984

568|Mas|84. Syntex Pharmaceuticals International Limited. Process for the preparation of alpha aromatic group substituted alkanoic acid or esters thereof. (Divisional of Application No. 1023|Cal|81).

569|Mas|84. Syntex Pharmaceuticals International Limited. Process for the preparation of alpha-sulphonyloxyketone acetals. (Divisional of Application No. 1023|Cal|81).

570|Mas|84. BASF Aktiengesellschaft. Continuous preparation of oxygen-containing compounds.

571|Mas|84. Chris J. Condon. Motion picture system for single strips-D filming.

572|Mas|84. AE PLC. Piston rings. (August 4, 1983).

6th August 1984

573|Mas|84. R. C. S. C. P. C. Ayyathurai. A device for operating the foot-valve of a pump for increasing the operational efficiency thereof.

574|Mas|84. Southern Petrochemical Industries Corporation Ltd. Methylenebisthiocyanate and a process of preparation thereof.

575|Mas|84. Southern Petrochemical Industries Corporation Ltd. Bricks manufactured from phosphogypsum and a method of manufacture thereof.

576|Mas|84. Southern Petrochemical Industries Corporation Ltd., Bis (Trichloromethyl) sulfone and a process of preparation thereof.

577|Mas|84. Southern Petrochemical Industries Corporation Ltd., A plaster composition prepared from phosphogypsum and a process of preparation thereof.

578|Mas|84. P. V. Hariharan. Very thin walled injection molding without injection pressure booster, using exponentially increasing wall thickness from injection point upward.

579|Mas|84. Kerr-Moore Chemical Corporation. Recovery of by-product calcium chloride from chlorination of titaniferous ores.

580|Mas|84. Kerr-Moore Chemical Corporation. Salt removal from treated titanium dioxide.

7th August 1984

581|Mas|84. Kimberly-Clark Corporation. Wrapper constructions of self-extinguishing smoking articles.

582|Mas|84. Anicon, Inc. Chemical Vapor deposition apparatus.

583|Mas|84. Kimberly-Clark Corporation. Reduced ignition proclivity smoking article wrapper and smoking article.

8th August 1984

584|Mas|84. G. V. Natarajan. Unique looking device.

585|Mas|84. S. P. Gopalakrishnan. Invisible pedal stand.

586|Mas|84. S. Palanivelu. Relief grinding attachment for tool and cutter grinding machine.

587|Mas|84. Lummus Crest Inc. and Alusuisse Italia S.p.A. Catalysts containing mixed oxides of vanadium and phosphorus.

588|Mas|84. Corning Glass Works. Method of forming glass or ceramic product.

589|Mas|84. Lummus Crest Inc. and Alusuisse Italia S.p.A. Catalysts containing mixed oxides of vanadium, phosphorus, and aluminum and/or boron.

590|Mas|84. Thomas W. McSherry & Nathaniel H. Garfield. Container with integral toggle closure.

9th August, 1984

591|Mas|84. Y. M. Rao. Improvements in or relating to a writing apparatus.

592|Mas|84. Maschinenfabrik Rieter AG. Drafting mechanism for spinning machines.

593|Mas|84. The Post Office. Improvements in or relating to security glazing. (August 10, 1983).

594|Mas|84. SKF Steel Engineering Aktiebolag. A method of manufacturing ferrosilicon-manganese in a shaft furnace. Divisional to Application No. 401|Cal|81).

595|Mas|84. Stork Brabant B.V. Foam Generator.

10th August, 1984

596|Mas|84. Indian Institute of Technology. A dredge.

597|Mas|84. Monsanto Company. Herbicidal 2, 6-BIS-Fluoromethyl-Dihydropyridine-3, 5-Dicarboxylic Acid Esters.

598|Mas|84. George B. Kenney. Device and method for in-process multi-element analysis of molten metal and other liquid. (July 30, 1984).

599|Mas|84. Monsanto Company. Herbicidal Compositions and process containing 3, 5-Dicarboxylic acid esters of 2, 6-Bis-(Fluoroalkyl) Tetrahydropyran and Piperidines.

600|Mas|84. Monsanto Company. Substituted 2, 6-substituted pyridine compounds.

601|Mas|84. F. L. Smith & Co. Gate for splitting a flow of granular material. (August 12, 1983).

602|Mas|84. Marian Kazimierz Edward Czerniak. Self-propelled waterborne vessel.

ALTERATION OF DATE

154127. (805|Cal|82). Ante dated to 22nd November, 1978.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/-

(postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta, on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

CLASS : 75, 159F & 159G. 154103.
Int. Cl. : B 61 k 9/00; G 01 p 13/00.

DEVICE FOR DIVIDING THE TIME INTO A PRE-DETERMINED NUMBER OF EQUI-TIMED INTERVALS.

Applicant : SERVO CORPORATION OF AMERICA, OF 111 NEW SOUTH ROAD, HICKSVILLE, NEW YORK 11802, U.S.A.

Inventor : I. WALTER WOODWARD SANVILLE.

Application No. 195/Cal/81 filed February 20, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A device for dividing the time into a predetermined number of equi-timed intervals during which a moving object passes through a sensing zone comprising :

first and second sensors in the path of motion of said object defining the beginning and end of said sensing zone;

sensing means positioned upstream of said sensing zone for defining a reference zone distance in the path of motion of said object, said reference zone distance being a known multiple of said sensing zone distance;

first timer means connected to said sensing means to determine the time required for said object to traverse said reference distance and to generate a number value output indicative of said time;

divider means connected to said first timer and adapted to divide said number by the product of said predetermined number and known multiple to obtain a time interval value; and

second timer means connected to said first and second sensors and to the output of said divider to generate a signal for each elapsed time interval as the object moves through said sensing.

Compl. specn. 12 pages. Drgs. 1 sheet.

CLASS : 159F & 159M. 154104.
Int. Cl. : B 61/1 13/04.

RAIL ROAD CAR HOT BOX DETECTOR SYSTEM.

Applicant : SERVO CORPORATION OF AMERICA, OF 111 NEW SOUTH ROAD, HICKSVILLE, NEW YORK 11802, U.S.A.

Inventors : 1. JOSEPH EUGENE BAMBARA, 2. WALTER WOODWARD SANVILLE.

Application No. 196/Cal/81 filed February 20, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A railroad car hot box detector system of the type including infrared responsive scanner means associated with a sensing zone along a section of track adapted to scan bearings of a railroad car within said sensing zone and to generate an output voltage signal in response thereto having an amplitude and waveform indicative of the type of bearing being scanned and a sampling circuit adapted to sample the output of said scanner means into a preselected number of discrete samples the improvement comprising :

means for establishing a threshold signal level related to the average of the discrete voltage level;

means for determining the number of discrete samples falling between the crossing points of said waveform through said threshold and

means for averaging the discrete voltage levels of the samples falling between the crossing points whereby to obtain a signal indicative of the heat condition of the bearing being scanned.

Compl. specn. 14 pages. Drgs. 1 sheet.

CLASS : 172C. & * 154105.
Int. Cl. : D 01 g 15/84.

TOOTH EDGING APPARATUS FOR TEXTILE MACHINERY.

Applicant : STAEDTLER & UHL, OF NORDLICHE RINGSTR. 12, D-8540 SCHWABACH, WEST GERMANY.

Inventor : I. JOSEF EGERER.

Application No. 214/Cal/81 filed February 27, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims.

Toothed edging apparatus for mounting on a rotatable support element of a textile machine comprising tooth segments each having a plurality of teeth elements arranged generally along an arc, each of said segments having a foot portion from which said teeth elements extend, said foot portion being mounted on said rotatable support element of said textile machine, at least one recess in said segments, and a holding element passing through said recesses and secured to said support element for holding a plurality of said segments on said rotatable support element, said holding element having a longitudinal axis disposed generally parallel to the axis of said rotatable support element.

Compl. specn. 13 pages. Drgs. 2 sheets.

CLASS : 107B. 154106.
Int. Cl. : F 02 b 29/00.

MEDIUM TO HIGH-SPEED COMPRESSION IGNITION ENGINE.

Applicant & Inventors : RAY GARRETT McINTIRE AND DOUGLAS COLVETTI, OF 896 BLACK FOOT TRAIL, JAMESWON, OHIO, U.S.A., AND 912-4 LACOSTA, SARASOTA, FLORIDA, U.S.A.

Application No. 218/Cal/81 filed February 27, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A medium to high-speed compression ignition engine of the type having a plurality of cylinders (16), each having an intake valve (28) in an intake port (22) and an exhaust valve (30) in an exhaust port (26) characterized by :

means (46, 48) for timing the opening of the intake valve and the closing of the exhaust valve of each cylinder such that air fresh air (64) is permitted to pass out through the exhaust port.

Compl. specn. 29 pages. Drgs. 3 sheets.

CLASS : 119B & E.

154107.

Int. Cl. : D 02 h 13|00.

A METHOD OR PROCESS FOR SUPPLYING PARALLEL THREADS TO A MACHINE FOR THE MANUFACTURE OF TWO DIMENSIONAL FABRICS AND A DEVICE THEREFOR.

Applicant and Inventors : JOHANN BERGER, OF OBERE SCHLOSSSTRASSE 114, D-7071 ALFDORF, WEST GERMANY; AND JOSEF BERGER, OF HAINSTRASSE 11, D-7070 SCHWABISCH GMUND-GROSS-DEINBACH, WFST GERMANY.

Application No. 264|Cal|81 filed March 11, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims.

A method or process of supplying an and product machine manufacturing two dimensional textile fabrics with parallel threads, in which a loosely woven textile material having withdrawable weft loops is fed to the machine and the weft loops are withdrawn before the said textile material reaches the work position of the machine.

Compl. specn. 19 Pages. Drgs. 5 sheets.

CLASS : 130D.

154108.

Int. Cl. : C 22 b 19|08.

METHOD OF MANUFACTURING ZINC, WITH IMPROVED STEP OF CHARGIN ZINC-SMELTING BLAST FURNACES.

Applicant : I.S.C. SMELTING LIMITED, OF 6 ST. JAMES'S SQUARE, LONDON SW1Y 4LD, ENGLAND.

Inventor : 1. MICHAEL WILLIAM GAMMON.

Application No. 305|Cal|81 filed March 21, 1981.

Conventional dated 21st March, 1980 (8009723) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A method of manufacturing zinc, characterized by an improved step of charging zinc-smelting blast furnace with alternate loads of coke and zinc oxide material from a hopper by means of a central bell|annular bell charging device, in which the annular bell is lowered by a predetermined fixed distance, wherein the time ratio of the time taken to discharge the hopper contents to the time taken for the annular bell to be lowered the predetermined fixed distance is not greater than unity.

Compl. specn. 9 pages. Drgs. 1 sheet.

CLASS : 16B.

154109.

Int. Cl. : G 10 k 11|10.

ELECTROMAGNETIC HORN.

Applicant : LUCAS INDUSTRIES LIMITED, GREAT KING STREET, BIRMINGHAM B19 2XF ENGLAND.

Inventors : 1. ERNEST GEORGE HIBELL, 2. RAYMOND WEST.

Application No. 307|Cal|81 filed March 21, 1981.

Conventional date 21st March, 1980 (8009715) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

An electromagnetic horn comprising a hollow body, an electrical coil mounted in the body, an armature extending into the coil, a diaphragm secured around its periphery to the body and having a central aperture, a mass having an aperture therethrough in alignment with the apertures in the diaphragm and the mass and having an external, laterally projecting abutment shoulder at one end thereof, the sleeve also being provided with means for securing the diaphragm and the mass together by clamping the diaphragm and the mass between the abutment shoulder and said means and the screw-threaded rod being screw-engaged in the sleeve whereby adjustment of the armature relative to the coil for air gap-setting purposes can be effected by rotation of the screw-threaded rod.

Compl. specn. 17 pages. Drgs. 2 sheets.

CLASS : 172F.

154110.

Int. Cl. : D 02 g 1|00.

METHOD AND APPARATUS FOR THE PRODUCTION OF RAISED YARN, AND A YARN PRODUCED BY THIS METHOD.

Applicant : INSTITUTE PO OBLEKLO I TEXTIL, 48, VOYVODINA MOGILA STREET, SOFIA, BULGARIA.

Inventor : 1. GEORGI MITOV PETROV.

Application No. 358|Cal|81 filed March 31, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A method for the production of raised yarn by carding the staple fibres of a yarn formed at least of two threads of different thickness, wherein a yarn (5) composed of false twisted one or more threads of staple or multifilament fibres having an equal or different length in untwisting after they are fastened by thoroughly twisting with a fastening thread (3), by air texturing or in another way, passes over an abrasive surface for raising at a speed higher than the speed of the abrasive surface.

Compl. specn. 6 pages. Drgs. 2 sheets.

CLASS : 160B.

154111.

Int. Cl. : A 01 b 61|00.

TRACTIVE FORCE SENSING SYSTEM FOR TRACTOR.

Applicant : KUKOTA, LTD. OF 47-GO, 2-BAN, 1-CHOME, SHIKI-SUHIGASHI, NANIWA-KU, OSAKA-SHI, OSAKA-FU, JAPAN.

Inventor : 1. TSUTOMU FUJIMOTO.

Application No. 370|Cal|81 filed April 2, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A tractive force sensing system for tractor provided with a hydraulic device having a draft control function to actuate an oil pressure control valve (12) through a draft cam (23) by tractive force (F) from a pair of lower links (28), said system comprising :

a lower link support (31) transversely passed through the inside of the lower portion of a transmission case (2) of a vehicle body (1), and adapted to be resiliently bent and deformed by said tractive load (F);

a first feedback link (35) having a follower cam (39') in contact with the axial center of said support (31), and pivoted at the lower end thereof by the lower end of said vehicle body (1); and

a second feedback link (36') for interlockingly connecting the upper end of said first feedback link (35') to said draft cam (23) so as to directly actuate said draft cam (23).

Compl. specn. 16 pages. Drgs. 6 sheets.

CLASS : 172C

154112.

Int. Cl. : D 01 g 31|00; D 01 h 7|00.

APPARATUS FOR INTERRUPTING THE SLIVER SUPPLY IN OPEN-END SPINNING APPARATUS.

Applicant : SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT, OF FRIEDRICH-EBERT-STRASSE 84, 8070 INGOLSTADT, WEST GERMANY.

Inventors : 1. GEORG GOIDAMMER, 2. LUDWIG SCHMITT.

Application No. 417|Cal|81 filed April 20, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

Apparatus for interrupting the sliver supply in an open-end spinning machine which includes an opening device and also a delivery device with which a sliver clamp is associated and is actuatable by yarn monitor or a lap monitor when a supply roller continues to run, comprising :

a second sliver clamp means actuatable simultaneously with said first sliver clamp;

said second sliver clamp means being arranged ahead of said delivery device in the transport direction at a distance which is at least as large as the average fibre staple length.

Compl. specn. 20 pages. Drgs. 3 sheets.

CLASS : 70A & B.

154113.

Int. Cl. : B 01 k 3|02.

A CELL ASSEMBLY FOR PRODUCING METAL OR METALLOIDS BY CATHODIC DISSOLUTION OF THEIR COMPOUNDS.

Applicant : METALS TECHNOLOGY & INSTRUMENTATION, INC. 1407 MAIN STREET, DALLAS, TEXAS 75202, U.S.A.

Inventor : 1. MARCO VINCENZO GINATTA.

Application No. 456|Cal|81 filed April 30, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims.

A cell assembly for producing a metal or a metalloid selected from the group consisting of lead, copper, tin, zinc, titanium, zirconium, hafnium, tantalum, niobium, chromium, molybdenum, tungsten, silicocon, aluminium, iron, manganese, nikel, cobalt, vanadium, bismuth, antimony, cadmium, berillium boron, sulfur, arsenic, rare-earth metals and transition metals, from a compound thereof selected from oxides and halides; said cell assembly comprising an electrolytic cell comprising an anode, a cathode and a liquid electrolyte extending from said anode to said cathode wherein the said compound is solubilized in the electrolyte by direct cathodic reduction in electron-conductive contact with the cathode, characterised in that it further comprises :

(a) a plurality of bipolar electrodes in said electrolytic cell, said bipolar electrodes being formed by respective charges of an auxiliary metal or mixture of metals in solid

or liquid state, each charge comprising an anodic portion and a cathodic portion;

(b) means for feeding to said electrolytic cell the compound to be solubilized into electronic contact with the cathodic portion of each of said charges while passing electric current through the cell thereby to simultaneously produce direct cathodic reduction of said compound on said cathodic portions and freeing metal ions into the electrolyte from the anodic portion of each charge, and

(c) an electrowinning cell,

(d) means for circulating the electrolyte in a closed circuit comprising said electrolytic cell and said electro-winning cell to separate from the electrolyte in said electro-winning cell the metal or metalloid to be produced.

Compl. specn. 28 pages. Drgs. 7 pages.

CLASS : 23E.

154114.

Int. Cl. : B 65 b 25|22: 51|02.

CONTAINER FOR PACKAGING FOODSTUFFS.

Applicant : METAL BOX LIMITED, OF QUEENS HOUSE, FORBURY ROAD, READING RG1 3JH, BERKSHIRE, ENGLAND.

Inventors : 1. JOHN RICHARD OAKLEY, 2. BERNARD HEWLETT OXBORROW.

Application No. 525|Cal|81 filed May 16, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A container for packaging foodstuffs, formed of a paper board material which is resistant to elevated temperatures and comprising at least one closure member which is sealed to a part of the container to close the container by means of an adhesive comprising an aqueous emulsion of a vinyl|acrylic copolymer, the said adhesive remaining adherent and non-brittle at sub-zero temperatures while remaining tacky and permitting the closure member to be peeled open at elevated temperatures.

Compl. specn. 10 pages. Drgs. 2 sheets.

CLASS : 63B.

154115

Int. Cl. : B 01 d 39|00; 41|00.

FILTER BAG TENSIONING DEVICE FOR USE IN A BAG HOUSE.

Applicant : ENVIRONMENTAL ELEMENTS CORPORATION, OF 3700 KOPPERS STREET, BALTIMORE, MARYLAND 21203, U.S.A.

Inventor : 1. ANDREW ROBERT BECKER.

Application No. 623|Cal|81 filed June 9, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims.

A filter bag tensioning device for use in a bag house comprising an elongated lever pivotally supported intermediate its ends by a pivot affixed within the upper reaches of said bag house, said lever being provided with filter bag support means adjacent one end and weight securing means adjacent its other end, weight means operatively attached to said weight securing means and being so constructed and arranged that in a horizontal position of said lever, the centre of gravity of said weight means is below said lever, the centre of gravity of said weight means is below said weight securing means and during upward rotation of said weight means by said lever the distance from said centre of gravity to said pivot remains substantially constant.

Compl. specn. 20 pages. Drgs. 2 sheets.

CLASS : 36B₁

154116.

Int. Cl. : F 04 d 15/00.

A COMPRESSOR, ESPECIALLY A SINGLE-STAGE OR MULTI-STAGE SCREW COMPRESSOR WITH MEANS FOR REGULATING THE QUANTITY OF FLOW OF THE COMPRESSED MEDIUM.

Applicant : M.A.N. MASCHINENFABRIK AUGSBURG-NURNBERG AG., OF BAHNHOFSTRASSE 66, 4200 OBERHAUSEN 11, FEDERAL REPUBLIC OF GERMANY.

Inventor : 1. HEINZ LANTERMANN.

Application No. 670/Cal/81 filed June 20, 1981.

Conventional date 9th April, 1981 (11173/81) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A compressor, especially a single-stage or multi-stage screw, compressor, with means for regulating the quantity of flow of the compressed medium, comprising compressing means for compressing a compressible medium, a flow regulating valve upstream of the compressing means, a blow-off valve downstream of the compressing means, a pressure operable controller for controlling actuation of the valves, the controller being so operable in response to increase in the post compression pressure of the medium within a predetermined range lying below a threshold pressure for opening of the blow-off valve as to cause the flow regulating valve to reduce the rate of flow of the medium to the compressing means, a first duct connected to the outlet side of the compressing means, a second duct connected to the inlet side of the compressing means downstream of the flow regulating valve, a connecting duct connecting the first and second ducts together, and respective flow construction means arranged at each connection of the connecting duct to the first and second ducts to cause the pressure of medium in the connecting duct to be intermediate the precompression and post-compression pressures thereof, the controller being connected to the connecting duct to be operable by medium therefrom in dependence on the pressure prevailing in the connecting duct.

Compl. specn. 9 pages. Drgs. 1 sheet.

CLASS : 155F₁.

154117.

Int. Cl. : A 01 n 3/00.

A METHOD OF MAKING CUT PLANT MATERIAL PRESERVABLE AND STORAGE STABLE.

Applicant & Inventor : RUTH A. ROBINSON, OF 807 SOUTH WARSON ROAD, ST. LOUIS, MISSOURI, U.S.A.

Application No. 680/Cal/81 filed June 23, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A method for making cut plant material such as plant cuttings, roots and bulbs preservable and storage stable and to maintain the natural properties of the same which comprises treating said plant material with a treatment solution characterized in that said treatment solution is a liquid having an optimum specific gravity of between 1.10 & 1.16 and selected from a polyol such as glycerin, ethylene glycol, diethylene glycol and triethylene glycol or mixtures thereof, followed by keeping the material immersed in said treatment solution followed by subjecting the system having the said plant material immersed in said solution to a pressure above atmospheric pressure and not exceeding preferably 40 psi under ambient temperature conditions, allowing the said treatment solution to be absorbed in the said plant material, thereafter removing the material so treated from the solution after de-pressurization and allowing the excess treatment solution to drain from said plant materials and dry under ambient conditions so that a treated plant material having said treating agent in association with same is obtained and wherein optionally said treatment solution contains a predetermined quantity of a known dye suitable for counteracting the normal loss of colour through degradation or oxidation of plant chlorophyll through aging.

Compl. specn. 21 pages. Drgs. Nil.

2-247GI/84

CLASS : 136C & E.

154118

Int. Cl. : B 29 f 3/08; F 25 d 1/00.

A PROCESS FOR COOLING MOLTEN TUBE AND AN APPARATUS THEREFOR.

Applicant : UNION CARBIDE CORPORATION, AT 270 PARK AVENUE, NEW YORK, STATE OF NEW YORK 10017, UNITED STATES OF AMERICA.

Inventors : 1. DAVID NUNN JONES, 2. STUART JAMES KURTZ.

Application No. 705/Cal/81 filed June 29, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

Apparatus for producing a film tube from a low stain hardening polymer comprising :

means including a die for extruding a molten tube of said polymer; and

means for cooling said molten polymer tube whereby a frost line is formed characterized by including at least 2 annular cooling rings disposed around said molten polymer tube upstream of said frost line, each of said cooling rings being provided with means for forcing an annular stream of cooling fluid into contact with the outside periphery of said molten polymer tube, said cooling means including means for venting said cooling fluid from said apparatus whereby substantially all of said cooling fluid exits said apparatus through a common plane formed by the last cooling ring through which said polymer tube advances.

Compl. specn. 40 pages. Drgs. 4 sheets.

CLASS : 172B & C₁.

154119.

Int. Cl. : B 01 c 1/02.

IMPROVEMENT IN OR RELATING TO METHOD OF PROCESSING OF JUTE AND ALLIED FIBRES PRIOR TO PROCESSING THEM FOR SPINNING INTO YARN.

Applicant : INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION OF 17, TARATOLA ROAD, CALCUTTA-700088, WEST BENGAL, INDIA.

Inventors : 1. BIPLAB KUMAR SARKAR, 2. SAMAR SENGUPTA, 3. UTPAL KUMAR GHOSH, 4. DR. ADITYA SEKHAR DUTT & 5. DR. ASHIMANANDA RAY.

Application No. 779/Cal/81 filed July 13, 1981.

Complete Specification left on 22nd July, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims.

In a method for processing jute and allied fibres prior to processing them for spinning into yarn the improvement comprising pre-treatment of the fibres with chemicals capable of removing hydrogen bonds and gummy matter from said fibres, said chemicals being oxidising agents such as herein described.

Prov. Specn. 5 pages.

Compl. specn. 11 pages. Drgs. Nil.

CLASS : 31C.

154120.

Int. Cl. : H 01 I 9/00.

A PROTECTIVE CIRCUIT FOR A SWITCHING TRANSISTOR.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

Inventor : 1. ROLF-JURGEN STEINIGEWEG.

Application No. 788/Cal/81 filed July 14, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A protective circuit for a switching transistor, the circuit comprising a controllable semiconductor switch which is connected in parallel with the base-to-emitter path of the switching transistor and which is switched-on in the event of excess current occurring in the collector-to-emitter path of the switching transistor, wherein arranged between the base and collector of the switching transistor in a series connection of a resistance and a diode whose cathode is connected to said collector, and wherein the connection point between the resistance and the diode is connected via a capacitor to a reference potential terminal of the circuit, and via a threshold value member to a control input of the controllable semiconductor switch.

Compl. specn. 10 pages. Drgs. 1 sheet.

CLASS : 128A.

154121.

Int. Cl. : A 61 f 13|00.

A METHOD FOR FORMING A BODY FLUID ABSORBANT FROM PEAT MOSS AND ABSORBANT SO PREPARED.

Applicant : JOHNSON & JOHNSON AT 501 GEORGE STREET, NEW BRUNSWICK, NEW JERSEY, UNITED STATES OF AMERICA.

Inventor : 1. YVON LEVESQUE.

Application No. 793|Cal|81 filed July 15, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims.

A method for forming a body fluid absorbant from peat moss wherein peat moss is used in absorbant products such as diapers, sanitary napkins and tampons as an absorbant board characterised in that the said peat moss board is prepared by first subiecting peat moss to size separation and the moss remaining on a screen of 100 mesh is used as absorbant component while the fines falling through 100 mesh are rejected and wherein said selected material standing on 100 mesh screen is formed into a slurry with conventional mechanical wood pulp fines obtained from pulp mills, in the usual manner but having a Canadian standard freeness of from 60 to 500, whereafter said slurry is subjected to dewatering and drying to obtain boards of desired size and having dry density of 0.03 to 0.09 gm|CC, which board is desired, is laminated in a conventional manner, on atleast one side thereof with a layer of kraft pulp in an amount of 4 to 12 gms of kraft pulp per foot square of the board.

Compl. specn. 15 pages. Drgs. Nil.

CLASS : 129I.

154122.

Int. Cl. : B 21 b 1|12.

METHOD FOR ROLLING H-SECTIONS IN CONTINUOUS MILL.

Applicant : (1) URAISKY POLITEKHNIKESKY INSTITUT IMENI S. M. KIROVA, SVERDLOVSK, K-2, USSR; AND (2) ZAPADNO-SIBIRSKY METALLURGICHESKY ZAVOD IMENI 50-LETIA VELIKOGO OKTYABRYA, NOVOKUZNETSK, KEMEROVSKOI OBLASTI, USSR.

Inventors : 1. VLADISLAV ALEKSEANDROVICH SHITOV, 2. VITALY KUZMICH SMIRNOV, 3. VIKTOR SERGEEVICH PECHERSKY, 4. ALEKSEANDR ANDREEVICH KUGUSJIN, 5. VLADIMIR NIKILAEVICH BESPOLOV, 6. IURI OSIPOVICH TABETSKY, 7. BORIS MIKHAILOVICH MELNIKOV.

Application No. 828|Cal|81 filed July 23, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

A method for rolling H-sections in a continuous mill comprising bevelling of the end of a billet on the faces which are to be horizontal during rolling and subsequent rolling in slitting and beam passes, characterised in that the forward end of the billet is bevelled at an angle of 20—30 degrees relative to the horizontal axis of the billet.

Compl. specn. 21 pages. Drgs. 1. Sheet.

CLASS. 131B.

154123.

Int. Cl. E 21 b 7|00; E 21 b 33|13.

DEVICE FOR FULL HOLE DRILLING.

Applicants : 1. PROIZVODSTVENNOE GEOLOGICHESKOE OBIEDINENIE TSENTRALNYKH RAIONOV "TSENTRGEOLOGIA", OF 2 ROSCHINSKAYA ULITSA, 10, MOSCOW, USSR; (2) SEVERO-ZAPADNOE PROIZVODSTVENNOE GEOLOGICHESKOE OBIEDINENIE "SEVZAPGEOLOGIA", OF LENINGRAD, ULITSA GERTSFNA, 59, USSR.

Inventors : 1. RUBEN ARMENOVICH TATEVOSIAN, 2. NIKOLAI KONSTANTI-NOVICH LIPATOV.

Application No. 1065|Cal|81 filed September 24, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

(6 claims)

A device for a full hole drilling, comprising a bit having a passage for admitting a drilling fluid to the hole bottom, which is attached to a casing string and a hole former provided above the bit for closing the space between the hole walls and said casing string, a container containing a plugging material provided in the interior of the casing string immediately above the bit, the container being adapted to let the drilling fluid between the container walls and said casing string and to feed a plugging material under the action of a displacing agent to said bit which has an axial bore of a diameter greater than the inside diameter of the container, which is adapted to receive the lower end of said container.

(Compl. specn. 14 pages. Drgs. 1 sheet).

CLASS. 27E.

154124

Int. Cl. E 04 b 1|00.

MODULAR STRUCTURE BEING A DOME-TYPE ROOF STRUCTURE.

Applicant & Inventor : YENTI HUANG, P.E. OF P.O. BOX 31596 DALLAS, TEXAS 75231, U.S.A.

Application No. 1027|Cal|81 filed September 14, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

(12 claims)

A modular structure being a dome-type roof structure comprising

a plurality of elongated framing members, at least some of which are of equal length, said framing members having transversely extending webs

said equal length framing members being joined together in sets of three at their ends to form space angles of 120°, 108° with one another; and

bent plates connected to pairs of joined equal length framing members by connecting means at points of counterflexure of said members, said bent plates being juxtaposed to said framing member webs.

(Compl. specn. 17 pages. Drgs. 7 sheets).

CLASS : 146D. 154125.

Int. Cl. G 02 b 23/00.

A FOCAL REFRACTOR TELESCOPE.

Applicant : BARR & STROUD LIMITED, OF CAXTON STREET, ANNIESLAND, GLASGOW G13 1HZ, SCOTLAND.

Inventor : 1. IAIN ALEXANDER NEIL.

Application No. 1086/Cal/81 filed September 28, 1981.

Conventional date 8th October, 1980 (8032397) U. K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

(8 Claims)

A focal refractor telescope formed by a fixed focus achromatic telephoto objective system and a fixed focus eyepiece system aligned on a common optical axis and arranged to provide an internal real image, said objective system being formed by a primary lens element and a secondary lens element and said eyepiece system being formed by at least two lens elements, each of the lens elements of the telescope being made of a material having a useful spectral bandpass in the infrared wave-length region and having refractive surfaces intercepting said optical axis, at least one of the refractive surfaces of said primary objective lens element being aspheric and each of the refractive surfaces of the other lens elements of the telescope being substantially spherical, the aspheric surface possessing only a small degree of asphericity, the secondary objective lens element being negatively powered and having a refractive index equal to or lower than the refractive index of the primary objective lens element which is positively powered, the telescope having an internal f-number in the airspace between the primary and secondary objective lens elements of less than 1.5.

(Compl. specn. 21 pages. Drgs. 2 sheets).

CLASS. 90F & I. 154126.

Int. Cl. C 03 b 15/00.

GLASS FIBER FORMING UNIT

Applicants : PARAMOUNT GLASS MANUFACTURING CO., LTD., OF NO. 8-1, CHOJA 3-GHOME, KORIYAMASHI, FUKUSHIMA 963, JAPAN; AND NITTO BOSEKI CO. LTD., OF NO. 1, AZA HIGASHI, GONOME FUKUSHIMA-SHI, FUKUSHIMA, JAPAN.

Inventors: 1. KIWAMU OKUMA, 2. TSUNEHIRO HAGA, 3. MASAO KIZARA, 4. KEIJI OTAKI, 5. AYAHIRO HIRAI.

Application No. 1433/Cal/81 filed December 19, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

(2 claims)

A glass fiber forming unit including a hollow-cylinder shaped rotating spinner (2) having a bottom (3), a surrounding wall with a number of molten glass projecting orifices (5) and an upper annular flange (6) extending inwardly from the upper edge of said surrounding wall; and an attenuating blast burner (7) with jet flame orifices (11) for attenuating primary filaments formed at the tips of transition cones of molten glass projecting from said rotating spinner into secondary filaments, characterised in that

said jet flame orifices in said attenuating blast burner being so positioned that, for each jet flame from each jet flame orifice, only an outer cone of flame is in contact with the lower portion of the outer surface of said surrounding wall of said hollow-cylinder-shaped rotating spinner where the speed of said outer cone of flame is such as to not break said transition cone of molten glass, and

a heating burner (15) disposed inside said upper annular flange of said hollow-cylinder-shaped rotating spinner for jetting

a flame in a direction which is along the apportion of said upper annular flange and which is in parallel with the surface of said upper annular flange, said flame from said heating burner heating said rotating spinner in such a manner that said flame goes along at least the upper surface of said upper annular flange to transmit heat to at least a corner where said upper annular flange of said hollow-cylinder-shaped rotating spinner and said surrounding wall meet.

(Compl. specn. 20 pages. Drgs. 2 sheets).

CLASS. 198B.

154127.

Int. Cl. B 03 d 1/02.

AN IMPROVED PROCESS FOR RECOVERING SEPARATELY PHOSPHATE AND CARBONATE MINERALS FROM PHOSPHATE-CARBONATE-SILICATE ORES OR CONCENTRATES.

Applicant : OUTOKOMPU OY, OF TOUTONKATU 4, SF-00100 HELSINKI 10, FINLAND.

Inventors: 1. VAINO VILJO HEIKKI HINTIKKA, 2. KAARLO MATTI JUHANI SAARI.

Application No. 805/Cal/82 filed July 13, 1982.

Division of Application No. 1261/Cal/78 dated 22nd November, 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

(4 Claims)

An improved process for recovering separately phosphate and carbonate minerals from finely-divided phosphate-carbonate-silicate ores or concentrates with a carbonate to phosphate ratio of over 1, in which an anionic collector agent such as hereinbefore described is added to an aqueous slurry of these ores and concentrates and the slurry is exposed to froth-flotation in order to separate a silicate-bearing residue from a combined phosphate-carbonate concentrate, characterized in that the combined phosphate-carbonate concentrate is treated with a base so that pH of the water slurry rises to 11-12 in order to remove the collector-agent coatings from the surfaces of the minerals particles, whereafter the combined concentrate is froth-flotted with a cationic collector agent such as hereinbefore described and using a depressing agent such as hereinbefore described for carbonate while pH is neutral or slightly acidic in order to recover the phosphate concentrate and the carbonate concentrate separately.

(Compl. specn. 10 pages. Drgs. Nil).

CLASS : 151G.

154128.

Int. Cl. F16 L 1/00.

APPARATUS AND METHOD FOR LAYING PIPELINE.

Applicant : MARTECH INTERNATIONAL INC., OF 13550 HEMSTED HIGHWAY, HOUSTON, TEXAS 77040, UNITED STATES OF AMERICA.

Inventors: 1. BENJAMIN CORNWALL TISDALE, 2. WILLIAM BUFORD NICHOLSON.

Application No. 1100/Cal/78 filed October 7, 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

An apparatus for the laying of pipeline on the floor of a body of water by winding or unwinding the pipeline from the upper or lower portion of a rotatable reel mounted on a vessel moving on the surface of a body of water comprising a first and second roller means on the vessel having the axes thereof aligned with that of the reel, each said roller means respectively including an upper roller and a lower roller for selectively contacting the pipeline as the reel rotates, wherein:

when the pipeline winds or unwinds from the upper portion of the reel, the lower roller of the said second roller means being adapted to apply force against the pipeline as it passes

thereover while the upper roller of said second roller means is free from the application of loads thereon, and the upper roller of said first roller means positioned substantially below a line extending between the rollers of said second roller means and the reel at the point where the reel first contacts the pipeline and is adapted to apply downwardly directed force against the pipeline as it passes thereunder;

and when the pipeline winds or unwinds from the lower portion of the reel, the upper roller of said second roller means being positioned to apply a downwardly directed force against the pipeline as it passes thereover while the lower roller of said second roller means is free from the application of loads thereon, and the lower roller of said first roller means positioned substantially above a line extending between the rollers of said second roller means and the reel at the point where reel first contacts the pipeline and is adapted to apply upwardly directed force against the pipeline as it passes thereover.

Compl. specn. 21 pages.

Drgs. 1 sheet.

CLASS : 53B & 135.

154129.

Int. Cl. B62 1 1|00; F03 g 1|00.

IMPROVED ENERGY SAVING AND RETRIEVING BRAKE DEVICE.

Applicant & Inventor : BIMAN KUMAR PATHAK, 43/G VIDYAYATAN SARANI, CALCUTTA-35, WEST BENGAL, INDIA.

Application No. 1146|Cal|79 filed November 2, 1979.

Complete specification left on November 28, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A braking device for bi-cycles, tricycles, cycle rickshaws and like vehicles adapted to store the kinetic energy of moving vehicle while retarding or stopping the vehicle and retransmitting the stored energy for restarting or reaccelerating the vehicle comprising two wheels fitted around with rings of a brake lining and mounted on shafts or spindles and a train of gear wheels coupling the said wheels to rotate in opposite directions, two non-circular sections shafts couples to the shafts or spindles of the said wheels and having cylindrical outwardly extending portions two metallic springs having coils wound around opposite directions, inner ends of the springs being anchored to a casing housing the said wheels and the outer ends of the springs being secured to washers having non-circular holes fitting and movable along the said non-circular sectioned shafts, springs connecting the said casing at its opposite ends to a fixed assembly of bars and tie rods connecting the upper part of the casing at opposite ends by cables or ties to the two brake operating levers on opposite sides of the vehicles passing through the socket affording limited angular movement on either side and limited translatory movement upwardly, the arrangement being such that the operation of one brake handle causes the related wheel to be brought into contact with the wheel of the vehicle the rotation of the said wheel causing rotation of the other wheel in the opposite direction and the twisting or winding of the said springs in opposite directions and the compression of the springs, storing thus the kinetic energy of the moving vehicle and that release of the operated brake lever and operation of the other brake operating lever causing rotation of the wheels and unwinding of the springs in opposite direction so that the stored energy is retransmitted to the vehicle for starting or reaccelerating it.

Prov. specn. 4 pages.

Prov. Drgs. 1 sheet.

Compl. specn. 10 pages.

Comp. Drgs. 3 sheets.

CLASS : 43F.

154130.

Int. Cl. G03 b 1|42.

METHOD AND APPARATUS FOR WINDING (PUTTING THROUGH) AN ENDLESS STRIP IN A STORAGE MEANS.

Applicant & Inventor : WILLI BURTH, OF MARIENPLATZ 4, 7980 RAVENSBURG, WEST GERMANY

Application No. 32|Cal|80 filed January 9, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

30 Claims.

A method for winding (putting through) an endless strip in a storage means in the form of two concentric coils having a substantially vertical axis of rotation, the outer turn of the outer coil being connected, through an external, loop-like out-brought longitudinal section of the strip, to the inner turn of the inner coil, while the inner turn of the outer coil is connected directly, through an internal longitudinal section of the strip, to the outer turn of the inner coil, all turns of the outer coil being carried by at least one element, and all turns of the inner coil being carried by at least one other element and being driven in their peripheral direction, the drive, in the case of the outer turn of the outer coil, and in the case of the inner turn of the inner coil, being effected at the same velocity corresponding to the rate of travel of the external longitudinal section of strip, characterized in that the two coils are wound about a stationary core substantially in the same horizontal planes in the storage means in which the turns lie directly adjacent each other, with no substantial air-space between them, along their whole length, the said coils, apart from the connection through the internal longitudinal section of strip, being freely rotatable in relation to each other and being spaced radially apart, and in that all turns in the coil are driven by the element or elements, associated with this coil about axes coaxial with the said coils, at the same angular velocity, the angular velocity in the case of the outer coil corresponding to that of the outer turn thereof and, in the case of the inner coil, to that of the inner turn thereof.

Compl. specn. 28 pages.

Drgs. 4 sheets.

CLASS : 36B3.

154131.

Int. Cl. F15 d 1|00.

FAN BLADE OF LARGE ANGLE WIND.

Applicant & Inventor : LEW HSECH-PEN, OF NO. 2, LANE 1, SAN-MING ROAD, P.O. BOX 39-330, TAIPEI, TAIWAN, R.O.C., TAIWAN.

Application No. 351|Cal|81 filed March 27, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

Fan blade of large angle wind comprising front fan blade and back fan blade, wherein on the back of the front fan blade the back fan blade and the front fan blade form air passage, and the head formed by leading edge of the front fan blade and the leading edge of the back fan blade comprises the air entrance, and the round outside edge of the front fan blade forms the air exit.

Compl. specn. 9 pages.

Drgs. 2 sheets.

CLASS : 66D2.

154132.

Int. Cl. H01 k 1|42.

MOUNTING MEMBER FOR A FILAMENT ASSEMBLIES IN LAMP UNITS.

Applicant : LUCAS INDUSTRIES LIMITED OF GREAT KING STREET, BIRMINGHAM, B19 2XF, ENGLAND.

Inventor : I. BRIAN PEMBERTON GYLES IRONS.

Application No. 488|Cal|80 filed April 28, 1980.

Conventional date 28th April 1979 (7914841) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A mounting member for a filament assembly in a lamp unit of the type including a pair of laterally projecting mounting lugs, the mounting member being made of a deformable material and comprising a generally flat base portion having an aperture therein, a pair of projections integral with the base portion and deformed from positions in which they are generally co-planar with the base portion into positions in which they are upstanding from the base portion, the projections in their undeformed positions extending into the aperture in the base portion, being spaced apart transversely of their direction of extent and overlapping one another in said direction, and lug-reception means adapted to receive the lugs of the filament assembly, the lug-reception means being provided on the projections and being spaced from the base portion when the projections are in their deformed positions.

Compl. specn. 12 pages.

Drgs. 3 sheets.

CLASS : 32B.

154133.

Int. Cl. C07 c 15|00.

PROCESS FOR THE PREPARATION OF HIGHLY AROMATIC PITCHLIKE HYDROCARBONS.

Applicant : RUTGERSWERKE AKTIENGESELLSCHAFT, MAINZER LANDSTRASSE 217, D 6000 FRANKFURT|MAIN 1, GERMANY.

Inventors : 1. DR. JURGEN STADELHOFER, 2. PROF. DR. HEINZ-GERHARD FRANCK, 3. DR. HELMUT KOHLER.

Application No. 996|Cal|80 filed August 30, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A process for preparing highly aromatic pitch-like hydrocarbons wherein comminuted coal or similar carbonaceous raw material is dis-integrated with a mixture of hydrocarbon oils in the temperature range from 250 to 420°C under an elevated pressure of up to 50 atmospheres, wherein the mixture of hydrocarbon oil comprises an aromatised residue from the steam pyrolysis of petroleum fractions and a complementary solvent which is a coal-derived aromatic hydrocarbon mixture having a middle boiling point above 350°C.

Compl. specn. 20 pages.

Drgs. Nil.

CLASS : 85C.

154134.

Int. Cl. F27 d 3|02; C04 b 35|00.

FLUID COOLED SKID PIPES.

Applicant & Inventor : FRANK CAMPBELL, JR., OF 2274 BROADLAWN, HOUSTON, TEXAS 77058, UNITED STATES OF AMERICA.

Application No. 997|Cal|80 filed August 30, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A fluid-cooled skid pipe for supporting a metal shape in a high temperature environment comprising :

- a. a base member having first and second ends;
- b. first and second side members extending upwardly from the first and second ends respectively of the base member, said upwardly extending side members converging toward one another;
- c. an apex member connecting the uppermost portions of the converging side members to form a substantially truncated triangular configuration;

d. first and second shoulders projecting outwardly from the uppermost portions of the first and second side members respectively and from the apex member; and

e. a passageway through the skid pipe defined by the base member, first and second members and the apex member, said passageway suitable for communication of fluid therethrough.

Compl. specn. 16 pages.

Drgs. 2 sheets.

CLASS : 131A₂ & B₃.

154135.

Int. Cl. F21 d 1|06.

PROCESS FOR SINKING OF SHAFTS.

Applicant : VOEST-ALPINE AKTIENGESELLSCHAFT OF A-1011 VIENNA, FRIEDRICHSTRASSE, 4, AUSTRIA.

Inventors : 1. ARNULF KISSICH, 2. OTTO SCHETINA, 3. HERWIG WRULICH, 4. ALFRED ZITZ.

Application No. 1223|Cal|80 filed October 28, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

Process for sinking of shafts by means of a partial-cut cutting tool in which at the beginning of the cutting work for one section, the cutting machine is brought into a position in which the cutting head is contacting the shaft wall when the cutting arm assumes the mid-position and in which the axis of the cutting machine includes an acute angle with the tangent at the contacting point with the shaft wall and in that after having terminated the floor cut in this position of the cutting machine, the cutting machine is backwardly moved in direction of its axis for one width of one floor cut each until, by making floor cuts in each intermediate position, the cutting arm is contacting the shaft wall in its maximum laterally pivoted position starting from which position the last floor cut of the section is made, said shaft being sunk by means of a partial-cut cutting machine having an universally pivotable cutting arm carrying at least one cutting head and having a chassis preferably being designed as caterpillar-type landing gear along a screw surface having its axis coinciding with the shaft to be sunk, the cutting machine being moved on said screw surface.

Compl. specn. 14 pages.

Drgs. 1 sheet.

CLASS : 131A₂.

154136.

Int. Cl. E21 b 43|00.

A LIQUID ORGANIC COMPOSITION USED IN A PROCESS FOR CONSOLIDATING A GEOLOGICAL FORMATION.

Applicant : INSTITUT FRANCAIS DU PETROLE, OF 4, AVENUE DE BOIS-PREAU, 92502 RUEIL MALMAISON, FRANCE.

Inventors : 1. JACQUES BURGER, 2. CHARLES BARDON, 3. CLAUDE GADELLE.

Application No. 1436|Cal|80 filed December 27, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A liquid organic composition used in a process for consolidating a geological formation, said composition comprises a mixture of at least one polymerizable chemical compound as herein described and a catalyst containing in combination lead and at least one element of the group formed by nickel, copper and zinc in a drying oil as herein described.

Compl. specn. 12 pages.

Drgs. 1 sheet.

CLASS : 131A. 154137

Int. Cl. : E 21 b 43/00.

A COMPOSITION USED IN A PROCESS FOR CONSOLIDATING A GEOLOGICAL FORMATION.

Applicant : INSTITUT FRANCAIS DU PETROLE, 4, AVENUE DE BOIS-PREAU, 92502 RUEIL-MALMAISON, FRANCE.

Inventors : 1. JACQUES BURGER, 2. CHARLES BARDON, AND 3. CLAUDE GADELLE.

Application No. 1437/Cal/80 filed December 27, 1980.

Appropriate office for opposition proceedings (Rule Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A composition used in a process for consolidating a geological formation by controlled oxidation of this composition which comprises a liquid organic mixture containing at least one polymerizable chemical product comprising at least one polyethylenic compound and a catalyst containing in combination at least one element of the group constituted by barium, zirconium, cerium, lanthane and lanthanides and at least one element selected from the group formed by vanadium, manganese, iron, cobalt and zinc.

Compl. specn. 15 pages.

Drgs. 1 sheet.

CLASS : 131A. 154138

Int. Cl. : E 21 b 43/00.

A COMPOSITION USED IN A PROCESS FOR CONSOLIDATING A GEOLOGICAL FORMATION.

Applicant : INSTITUT FRANCAIS DU PETROLE OF 4, AVENUE DE BOIS-PREAU 92502 RUEIL MALMAISON, FRANCE.

Inventors : 1. CLAUDE GADELLE, 2. JACQUES BURGER, AND 3. CHARLES BARDON.

Application No. 87/Cal/81 filed January 28, 1981.

Appropriate office for opposition proceedings (Rule Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A composition used in a process for consolidating a geological formation by controlled oxidation of this composition which comprises at least one polyethylenic hydrocarbon and a catalyst containing at least one element of the group consisting of zirconium, cerium, lanthane and lanthanides and at least one element selected from the group formed by vanadium, manganese, cobalt and zinc.

Compl. specn. 12 pages.

Drgs. 1 sheet.

CLASS : 53B. 154139

Int. Cl. : B 62 L 5/00.

BICYCLE BRAKES.

Applicant & Inventor : THEODORE FREDERICK BELL, OF 26 TWIN RIVER DRIVE ORMOND BEACH, FLORIDA 32079, U. S. A.

Application No. 789/Cal/81 filed July 14, 1981.

Appropriate office for opposition proceedings (Rule Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

In a bicycle comprising a frame having a hub in which pedal cranks are rotatably mounted, a bicycle brake comprising :

a disc totally mounted on said hub for rotation with said crank,

a brake shoe pivoted to said frame and extending upwardly along the front of the rear tire of the bicycle and having a surface for engaging the tire upon actuation of the brake,

a ball clutch arm pivoted on said shoe and extending upwardly and forwardly toward the periphery of said disc,

said arm having opposed walls between which the periphery of the disc extends,

said walls having inwardly facing grooves that taper transversely and longitudinally in a rearward direction such that they become narrower and shallower in a rearward direction,

a pair of balls in each of said grooves between said disc and the respective wall,

and means yieldingly urging said shoe away from said tire such that when the pedal cranks are pedaled rearwardly, said balls travel rearwardly along said grooves to pivot said ball clutch arm and, in turn, the brake shoe bringing the brake shoe surface into frictional contact with the surface of the rear tire.

Compl. specn. 9 pages.

Drgs. 3 sheets.

CLASS : 116H.

154140

Int. Cl. : B 63 b 27/12.

APPARATUS FOR UNLOADING DRY LOADS FROM SHIPS.

Applicant & Inventor : MARCO GATTI, OF VIA BONALDO STRINGHER 27, 00191 ROMA, ITALY.

Application No. 29/Cal/80 filed January 9, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

An apparatus for unloading dry loads from ships, comprising a gantry crane, provided with means for supporting it on the guides along which the ship hatchway covers slide a bucket controlled by said crane, at least one hopper into which the material withdrawn by said bucket is discharged, and at least one conveyor belt transferring said material off the ship.

Compl. specn. 14 pages.

Drgs. 3 sheets.

CLASS : 71G & 102D.

154141

Int. Cl. : C 02 f 3/84; F 15 b 21/00.

DRIVE SYSTEM FOR CONSTRUCTION MACHINERY.

Applicant : HITACHI CONSTRUCTION MACHINERY CO., LTD., OF 2-10, UCHI-KANADA-1-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. EIJI IZUMI, 2. KAZUO HONMA, 3. KATSURO ABE, 4. MASAAKI UNO, 4, KICHLA NAKAJIMA.

Application No. 204/Cal/80 filed February 22, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A drive system for construction machinery comprising hydraulic circuit means including a plurality of variable-displacement hydraulic pumps and a plurality of hydraulic actuators, each said pump being connected in closed circuit to one or a plurality of said actuators via a solenoid-operated valve or valves to drive a movable member or members connected to the actuator or respective actuators when pressurized fluid is supplied to the actuator or actuators from the pump, characterized in that at least one of the selected hydraulic actuators is further connected in closed circuit via a solenoid-operated valve to at least one of the hydraulic pumps other than the hydraulic pump which is connected in closed circuit to the selected hydraulic actuator.

Compl. specn. 48 pages.

Drgs. 10 sheets.

CLASS : 205H.

154142

Int. Cl. : B 60 c 5/00.

TIRE FOR TWO-WHEEL VEHICLES.

Applicant : MICHELIN & CIE (COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN), OF 4, RUE DU TERRAIL, CLERMONTFERRAND, FRANCE.

Inventor : 1. GHERARD DUBOIS.

Application No. 429/Cal/80 filed April 14, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A tire for two-wheel vehicles comprising a casing formed of a crown with a tread and two sidewalls each terminating in a bead intended to rest on a tire rim and an inner tube glued in manually removable manner to the inner wall of the casing in the region of the crown, said tire being characterized by the fact that, in uninflated state, the glued inner tube has a wall of constant thickness and is glued under circumferential tension to the casing so that the inside equatorial radius of the glued inner tube is greater than the outside radius of the flanges of the rim and so that the cross section of the glued inner tube has an oval contour whose equatorial radial height is less than both the maximum axial width of said contour and the average diameter of said contour.

Compl. specn. 11 pages.

Drgs. 1 sheet.

CLASS : 145E.

154143

Int. Cl. : G 01 k 13/00.

APPARATUS FOR MEASURING THE TEMPERATURE OF HOT GASES.

Applicant : F. J. SMIDTH & CO. A/S, OF 77 VIGERSLEV ALLE, DK-2500 VALBY COPENHAGEN, DENMARK.

Inventor : 1. HANS BRUN KNUDSEN.

Application No. 567/Cal/80 filed May 13, 1980.

Conventional date 22nd May, 1979 (7917694) U. K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

An apparatus for measuring the temperature of a hot gas, particularly in surroundings where there is also thermal radiation by taking a measurement representative of the heat transfer from the gas to a radiation-protected measuring body which is exposed to the gas and the temperature of which, during the measuring, is maintained at a known temperature considerably below the gas temperature to be measured, and deriving the temperature of the gas by use of the relationship

 $Q = hA(T_g - T)$, in which :

Q is the heat transfer,

h is the coefficient of heat transfer between the hot gas and the measuring body.

A is the surface area of the measuring device.

T is the temperature of the measuring body, and

T_g is the gas temperature to be measured.

without the need to know the values of h or A, characterized by two identical radiation-protected measuring bodies (2.3: 24.25) each having an end exposed, in use, to the gas, the temperature of which is to be measured; means (8.9.10: 26-29) for maintaining the temperature of the measuring bodies different and below the gas temperature to be measured; means (12.13: 32.34) for measuring the temperature of the measuring bodies; and means (14.17: 31-36) for deriving the heat transfer to the measuring bodies from the gas.

Compl. specn. 16 pages.

Drgs. 1 sheet.

CLASS : 32F₉(a).

154144

Int. Cl. : C 12 c 11/08.

METHOD FOR PRODUCING ETHANOL IN HIGH CONCENTRATION BY USING IMMobilIZED MICRO-ORGANISM.

Applicant : TANABE SEIYAKU CO., LTD, OF NO. 21, 3-CHOME, DOSHOMACHI, HIGASHI-KU, OSAKA, JAPAN.

Inventors : 1. ICHIRO CHIBATA, 2. JYOTI KATO, 3. MITSURU WADA.

Application No. 694/Cal/80 filed June 12, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A method of producing ethanol by conversion reaction of a fermentative sugar into ethanol, which comprises the steps of :

- (1) contacting an ethanol-producing yeast or anaerobe immobilized in supporting gel with a nutrient culture broth containing not more than 100 mg/ml, or more preferably 50-100 mg/ml, of a fermentative sugar, said ethanol-producing micro-organism being selected from the group consisting of the genera *Saccharomyces* and *Zymomonas* and forming a dense layer of the microbial cells near the surface of the supporting gel,
- (2) Microbiologically converting the sugar into ethanol until the concentration of the sugar is lowered to not more than 20% of its initial concentration,
- (3) adding to the conversion reaction system an additional fresh culture broth containing not less than 100 mg/ml of the sugar until ethanol is produced in a concentration of not less than 75 mg/ml, and then
- (4) separating the broth containing ethanol produced

Compl. specn. 29 pages.

Drgs. 3 sheets.

CLASS : 176I.

154145

Int. Cl. : F 22 b 37/10, 37/12.

TUBULAR MEMBER FOR USE IN BOILER AND MEANS FOR EXERCISING CONTROL OVER THE MOVEMENT OF THE FLUID IN THE TUBULAR MEMBER.

Applicant : COMBUSTION ENGINEERING, INC., OF 1000 PROSPECT HILL ROAD, WINDSOR, CONNECTICUT, UNITED STATES OF AMERICA.

Inventor : 1. CHARLES DEAN HACKETT.

Application No. 874/Cal/80 filed July 30, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A tubular member for use in boiler and means for exercising control over the movement of fluid in the tubular member, said means comprising ribbing provided on the inner wall surfaces of the tubular member that define the fluid passage, said ribbing embodying a variable configuration selected so as to imbue each increment of length of the tubular member with the proper fluid flow properties required for purposes of achieving a maximization of the rate of heat transfer to the fluid during the flow thereof through the passage, said variable configuration being definable by parameters selected to fulfil certain predetermined design criteria from amongst a plurality of variable factors.

Compl. specn. 21 pages.

Drgs. 2 sheets.

CLASS : 98G.	154146	(12)
Int. Cl. : F 28 f 9 00.		
HEAT EXCHANGER TUBE SUPPORT.		
Applicant : COMBUSTION ENGINEERING, INC., OF 1000 PROSPECT HILL ROAD, WINDSOR, CONNECTICUT, UNITED STATES OF AMERICA.		151053 151054 151058 151059 151061 151062 151063 151065 151066 151067 151069 151070 151072 151073 151074 151076 151077 151078 151079 151080 151087 151092 151093 151095 151097 151099 151101 151103 151104 151108
Inventor : 1. WASYL CHWYLA.		(13)
Application No. 875 Cal 80 filed July 30, 1980.		151119 151121 151125 151127 151133 151134 151140 151145
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.		151146 151148 151151 151155 151159
4 Claims		
A heat exchanger tube support having walls confining a flow of hot gases, at least one tube bank including a plurality of horizontal tubes located in the gas pass and conveying a fluid therethrough, said horizontal tubes being parallel to one another, and groups of said tubes sinuously connected in series flow relationship; an apparatus for supporting said horizontal tubes comprising : vertical hanger tubes supported at an upper elevation; means for passing fluid through said hanger tubes; longitudinal fins on said hanger tubes on opposed sides of hanger tubes; U straps, located at a lower elevation surrounding and supporting each of the said horizontal tubes, the two legs of each of said straps welded only to said longitudinal fins.		
Compl. specn. 6 pages.	Drgs. 2 sheets.	
PRINTED SPECIFICATION PUBLISHED		
A limited number of printed copies of the undepicted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—		
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PATENT SEALED

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AMENDMENT PROCEEDING UNDER SECTION 57

The amendment proposed by The Marley Company, in respect of Patent application No. 151600 as advertised in Part III, Section 2 of the Gazette of India dated the 11th February 1984, has been allowed.

RENEWAL FEES PAID

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REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 153945. Apex Industries of G. T. Road, Simbal, Batala-143505 (Dist: Gurdaspur), Punjab, a Partnership Firm. "Plummer block". January 9, 1984.

Class 1. No. 154037. Oronzio De Nora Impianti Elettrochimici S.P.A. of Milan, Italy, an Italian Company. "Baffle Strips". February 9, 1984.

Class 1. No. 154346. Kidde Consumer Durables Corp. of State of Delaware, U.S.A., 2, Bala Cynwyd Plaza, P.O. Box 804, Bala Cynwyd, Pennsylvania 19004. "A cooking Machine". April 23, 1984.

Class 1. No. 154391. Mgnek Metal Industries of 15, Bada Mandir, Gaushala, Bombay-400002, Maharashtra, a Partnership Firm. "A tiv spoon". May 10, 1984.

Class 1. No. 154420. Manek Metal Industries, a partnership firm of 15, Bada Mandir, Gaushala, Bombay-400002, Maharashtra. "A chapati turner". May 18, 1984.

Class 1. No. 154448. United States Surgical Corporation of 150, Glover Avenue, Norwalk, Connecticut 06850, U.S.A. "Cartridge for surgical fastener applying apparatus". May 26, 1984.

Class 1. No. 154499. Afco Industrial & Chemical Limited, 9, Wallace Street, Fort, Bombay 400001, Maharashtra, India. "Heat Sinks". June 12, 1984.

Class 1. No. 154504. Associated Engineers, a partnership firm, of 5-A, D.D.A. Sheds, Okhla Industrial Area, Phase-II, New Delhi-110020, India. "Crimping Tool". June 14, 1984.

Class 1. No. 154505. Associated Engineers, a partnership firm, of 5-A, D.D.A. Sheds, Okhla Industrial Area, Phase-II, New Delhi-110020, India. "Crimping Tool". June 14, 1984.

Class 1. No. 154553. Sensors Consultants, Indian Partnership Firm of 2151/10, T-5, New Patel Nagar, New Delhi-110008. "Geyser". June 27, 1984.

Class 3. No. 153951. Phenoweld Polymer Private Limited of Saki Vihar Lake Road, Bombay-400072, Maharashtra, India. Indian Company. "Bathroom Cabinet". January 12, 1984.

Class 3. No. 153952. Phenoweld Polymer Private Limited of Saki Vihar Lake Road, Bombay-400072, Maharashtra, India, an Indian Company. "Bathroom Cabinet". January 12, 1984.

Class 3. No. 154234. Kalpana Industries, a partnership firm of 405, Byculla Industrial Estate, Sussex Road, Near Victoria Gardens, Bombay-400027, Maharashtra. "Paper Weight". March 27, 1984.

Class 3. No. 154242. Sinclair Research Limited, a British Company, of 25, Willis Road, Cambridge, CB1 2AQ, England. "A computer program cartridge". Priority date September 27, 1983, U.K.

Class 3. No. 154385. International Standard Electric Corporation, a Delaware Corporation of 320, Park Avenue, New York-10022, State of New York, U.S.A. "A Telephone Subset". May 8, 1984.

Class 3. No. 154411. Emco General Plastic Industries Private Limited, an Indian Company of P-35, C.I.T. Road, Calcutta-14, West Bengal, India. "Plastic Taps". May 16, 1984.

Class 3. No. 154428. Peico Electronics and Electricals Limited an Indian Company of Shivasagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay-18 (WB), Maharashtra, India. "Momi Radio Recorder". May 18, 1984.

Class 3. No. 154431. Evershine Plastic Industry of A-59, Wazirpur Industrial Area, Delhi-110052, India, a partnership firm. "Shopping Basket". November 19, 1984.

Class 3. No. 154449. United States Surgical Corporation of 150, Glover Avenue, Norwalk, Connecticut 06850, U.S.A. "Cartridge for surgical fastener applying apparatus". May 26, 1984.

Class 3. No. 154474. Wallfrin International of 1st floor, 13/14, Bussa Industrial Estate, Near Century Bazar, Bombay-400018, Indian Partnership Firm. "Spice Container". May 31, 1984.

Class 3. No. 154593. Niky Tasha (India) Private Limited of Mahajan House, E 1 and 2, N.D.S.E., Part II, New Delhi-110049. "The cooking appliance". July 18, 1984.

Class 3. No. 154594. Niky Tasha (India) Private Limited of Mahajan House, E 1 and 2, N.D.S.E., Part II, New Delhi-110049. "Grill". July 18, 1984.

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